

## CLAIMS

1. A mobile terminal having a communication function,  
comprising:

5       a detection section operable to detect an incoming or  
outgoing phone call;

          an information acquisition section operable to acquire  
related information concerning an incoming or outgoing call in  
response to detection of the incoming or outgoing call by the  
10   detection section;

          a history generation section operable to generate history  
information in which the related information acquired by the  
information acquisition section is kept in association with at  
least a telephone number of the incoming or outgoing call;

15       a history storing section operable to store the history  
information generated by the history generation section; and

          a history notification section operable to notify to a user  
of the mobile terminal the related information contained in the  
history information, in response to an incoming or outgoing call  
20   from or to the telephone number contained in the history information  
stored in the history storing section.

2. The mobile terminal according to claim 1, further  
comprising a device section operable to acquire environment  
25   information concerning surroundings of the mobile terminal or a

state of the mobile terminal, wherein,

the information acquisition section acquires, as the related information, the environment information acquired from the device section at the time of the incoming or outgoing call, and

5 the history storing section stores the environment information acquired by the information acquisition section in association with the telephone number of the incoming or outgoing call.

10 3. The mobile terminal according to claim 1, further comprising a message storing section operable to store a plurality of answering messages, wherein,

as the related information, the information acquisition section acquires from the message storing section an answering  
15 message used to answer an incoming call, and

the history storing section stores the answering message acquired by the information acquisition section in association with a telephone number of the incoming call.

20 4. The mobile terminal according to claim 2, wherein,

the environment information is at least one of: still image information, moving picture information, or audio information representing the surroundings of the mobile terminal; or position information, viewed program information, or open/close  
25 information representing the state of the mobile terminal.

5. The mobile terminal according to claim 3, wherein,  
the history storing section further stores information  
indicating whether the telephone number contained in the history  
5 information has been redialed or not, and

at the time of the incoming or outgoing phone call, the history  
notification section notifies to the user an answering message  
associated with a piece of history information containing the  
telephone number only if the telephone number has not yet been  
10 redialed.

6. The mobile terminal according to claim 3, wherein,  
the message storing section stores alarm information  
specifying a time at which to notify an alarm in connection with  
15 the answering message, and

the history notification section notifies to the user an  
answering message associated with a piece of history information  
which has reached the time specified by the alarm information.

20 7. The mobile terminal according to claim 5, wherein,  
the message storing section stores alarm information  
specifying a time at which to notify an alarm in connection with  
the answering message, and

the history notification section notifies to the user an  
25 answering message associated with a piece of history information

which contains a telephone number that has not yet been redialed and which has reached the time specified by the alarm information.

8. The mobile terminal according to claim 5, wherein,

5 if the number of pieces of history information stored in the history storing section exceeds a predetermined maximum number, a piece of history information which contains an already redialed telephone number and which has an oldest time of reception/calling is automatically deleted.

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9. The mobile terminal according to claim 5, wherein,

when a piece of history information which contains a telephone number that has not yet been redialed is nominated for deletion, a message is presented to the user to seek an approval  
15 to delete the piece of history information.

10. An incoming/outgoing call history management method for managing a communication history of a mobile terminal, comprising the steps of:

20 detecting an incoming or outgoing phone call from or to another mobile terminal;

acquiring related information concerning an incoming or outgoing call in response to detection of the incoming or outgoing call;

25 generating history information in which the related

information is kept in association with at least a telephone number of the incoming or outgoing call;

storing the generated history information; and

5 notifying to a user of the mobile terminal the related information contained in the history information, in response to an incoming or outgoing call from or to the telephone number contained in the stored history information.

11. A computer-readable program for causing a mobile terminal  
10 to perform an incoming/outgoing call history management method for managing a communication history of the mobile terminal, the program causing the mobile terminal to execute the steps of:

detecting an incoming or outgoing phone call from or to  
15 another mobile terminal;

acquiring related information concerning an incoming or outgoing call in response to detection of the incoming or outgoing call;

generating history information in which the related  
20 information is kept in association with at least a telephone number of the incoming or outgoing call;

storing the generated history information; and

notifying to a user of the mobile terminal the related information contained in the history information, in response to  
25 an incoming or outgoing call from or to the telephone number

contained in the stored history information.

12. A medium having recorded thereon a computer-readable program for causing a mobile terminal to perform an  
5 incoming/outgoing call history management method for managing an incoming/outgoing call history of the mobile terminal,

the program causing the mobile terminal to execute the steps of:

detecting an incoming or outgoing phone call from or to  
10 another mobile terminal;

acquiring related information concerning an incoming or outgoing call in response to detection of the incoming or outgoing call;

generating history information in which the related  
15 information is kept in association with at least a telephone number of the incoming or outgoing call;

storing the generated history information; and

notifying to a user of the mobile terminal the related information contained in the history information, in response to  
20 an incoming or outgoing call from or to the telephone number contained in the stored history information.

13. An integrated circuit for use in a mobile terminal having a communication function, wherein the integrated circuit comprises  
25 circuitry functioning as:

a detection section operable to detect an incoming or outgoing phone call;

an information acquisition section operable to acquire related information concerning an incoming or outgoing call in response to detection of the incoming or outgoing call by the detection section;

a history generation section operable to generate history information in which the related information acquired by the information acquisition section is kept in association with at least a telephone number of the incoming or outgoing call;

a history storing section operable to store the history information generated by the history generation section; and

a history notification section operable to notify to a user of the mobile terminal the related information contained in the history information, in response to an incoming or outgoing call from or to the telephone number contained in the history information stored in the history storing section.